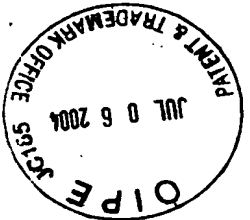


Dipeptidyl Peptidase IV during Intestinal Differentiation

SEQ ID NO:1
MEEPRVLLGLGAAALVETLTVVYVLAHNSDDADADSRRTTETDYLKRRYKLYSLRSLGSHRYLLKQNNILTPHAKQNSVTLNNSDDECH
MEEPRVLLGLGAAALVETLTVVYVLAHNSDDADADSRRTTETDYLKRRYKLYSLRSLGSHRYLLKQNNILTPHAKQNSVTLNNSDDECH
SEQ ID NO:2
MEEPRVLLGLGAAALVETLTVVYVLAHNSDDADADSRRTTETDYLKRRYKLYSLRSLGSHRYLLKQNNILTPHAKQNSVTLNNSDDECH
MEEPRVLLGLGAAALVETLTVVYVLAHNSDDADADSRRTTETDYLKRRYKLYSLRSLGSHRYLLKQNNILTPHAKQNSVTLNNSDDECH
SEQ ID NO:3
SINDY-SISPDGQFLLEINHYAKQNSSTASDYTDYLRKQLTERRTPHKKQNTVNSVGGHLLAYVANDIYVILRPLAPRIYVNGKEDYLNQIT
STSDY-SVSPDRLVLLINHYAKQNSSTASDYTDYLRKQLTERRTPHKKQNTVNSVGGHLLAYVANDIYVILRPLAPRIYVNGKEDYLNQIT
----YHVSPPDRLVLLINHYAKQNSSTASDYTDYLRKQLTERRTPHKKQNTVNSVGGHLLAYVANDIYVILRPLAPRIYVNGKEDYLNQIT
210 220 230 240 250 260 270 280 290 300
DWEZHEVTSALYSAHNSPHEGYLALYAQNDZEVRLINISFYSDSRQITKRVVPTPKAGVHPVAKITVQNHDSLSVYNAISIQITVAAHNLGDEY
DWEZHEVTSALYSAHNSPHEGYLALYAQNDZEVRLINISFYSDSRQITKRVVPTPKAGVHPVAKITVQNHDSLSVYNAISIQITVAAHNLGDEY
DWEZHEVTSALYSAHNSPHEGYLALYAQNDZEVRLINISFYSDSRQITKRVVPTPKAGVHPVAKITVQNHDSLSVYNAISIQITVAAHNLGDEY
310 320 330 340 350 360 370 380 390 400
LGDVNAVQERISLQNLRIQNSVNDICDDESGBRNCVLAQHIEHNSITGVNGRTPRSEPHETDGNSTFKLISNKGSRNICITPQIDKED---CET
LGDVNAVQERISLQNLRIQNSVNDICDDESGBRNCVLAQHIEHNSITGVNGRTPRSEPHETDGNSTFKLISNKGSRNICITPQIDKED---CET
LGDVNAVQERISLQNLRIQNSVNDICDDESGBRNCVLAQHIEHNSITGVNGRTPRSEPHETDGNSTFKLISNKGSRNICITPQIDKED---CET
410 420 430 440 450 460 470 480 490 500
ITKGNHVTIGREALTSDYLYISHEKRGKPGGRNLTKIQLEADITKTCGLSCENLPERCQYISVPSKSKKXLYOLRSGDGLYTLASVNDKGLAVLD
ITKGNHVTIGREALTSDYLYISHEKRGKPGGRNLTKIQLEADITKTCGLSCENLPERCQYISVPSKSKKXLYOLRSGDGLYTLASVNDKGLAVLD
ITKGNHVTIGREALTSDYLYISHEKRGKPGGRNLTKIQLEADITKTCGLSCENLPERCQYISVPSKSKKXLYOLRSGDGLYTLASVNDKGLAVLD
510 520 530 540 550 560 570 580 590 600
NSALDKRLQNVQPSKSLDFTLLZETKRNQMLPFRHDKSKKPLADYTAQPCSQDRADIVFRFLNATTLASTENITVAASPDGRSGGQGDKNHNLNR
NSALDKRLQNVQPSKSLDFTLLZETKRNQMLPFRHDKSKKPLADYTAQPCSQDRADIVFRFLNATTLASTENITVAASPDGRSGGQGDKNHNLNR
NSALDKRLQNVQPSKSLDFTLLZETKRNQMLPFRHDKSKKPLADYTAQPCSQDRADIVFRFLNATTLASTENITVAASPDGRSGGQGDKNHNLNR
610 620 630 640 650 660 670 680 690 700
PLGZTEVEDQIEAARQPSKSGFVNDKRIALINGHSYGGIVTSNVLGSGSGVFKCGTAAVAPVSRNRYTSVYTERYNGLPYPEDNIDHRSSTVMSRAENFK
PLGZTEVEDQIEAARQPSKSGFVNDKRIALINGHSYGGIVTSNVLGSGSGVFKCGTAAVAPVSRNRYTSVYTERYNGLPYPEDNIDHRSSTVMSRAENFK
PLGZTEVEDQIEAARQPSKSGFVNDKRIALINGHSYGGIVTSNVLGSGSGVFKCGTAAVAPVSRNRYTSVYTERYNGLPYPEDNIDHRSSTVMSRAENFK
710 720 730 740 750 760 770
QVEYLLIHGZADDNVHFGQSAQISKALVDVGVDFQAMRYTDDEHGLASSTAHQHTYTHNSHPTKQCFSLP
QVEYLLIHGZADDNVHFGQSAQISKALVDVGVDFQAMRYTDDEHGLASSTAHQHTYTHNSHPTKQCFSLP
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FIGURE 5



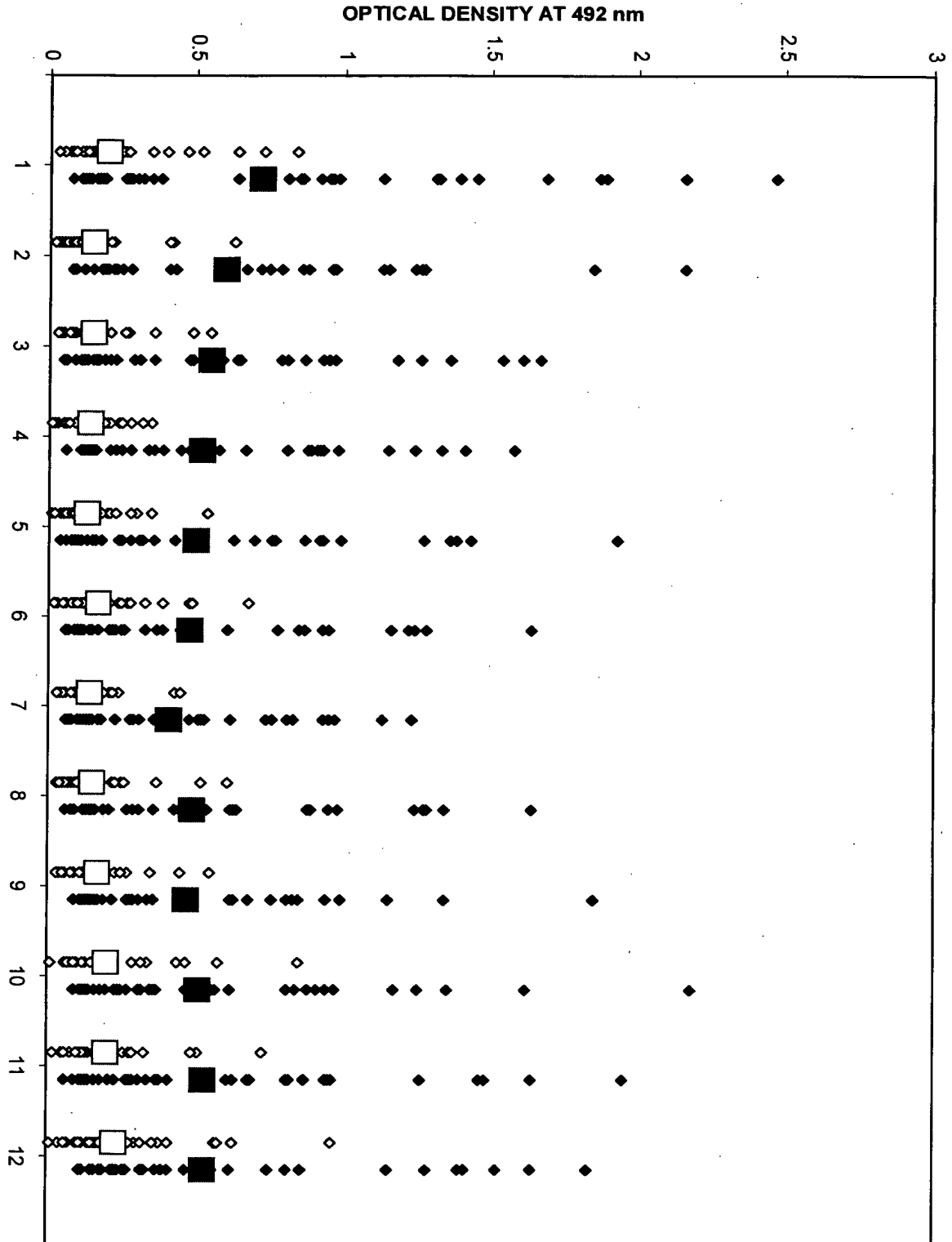


FIGURE 7

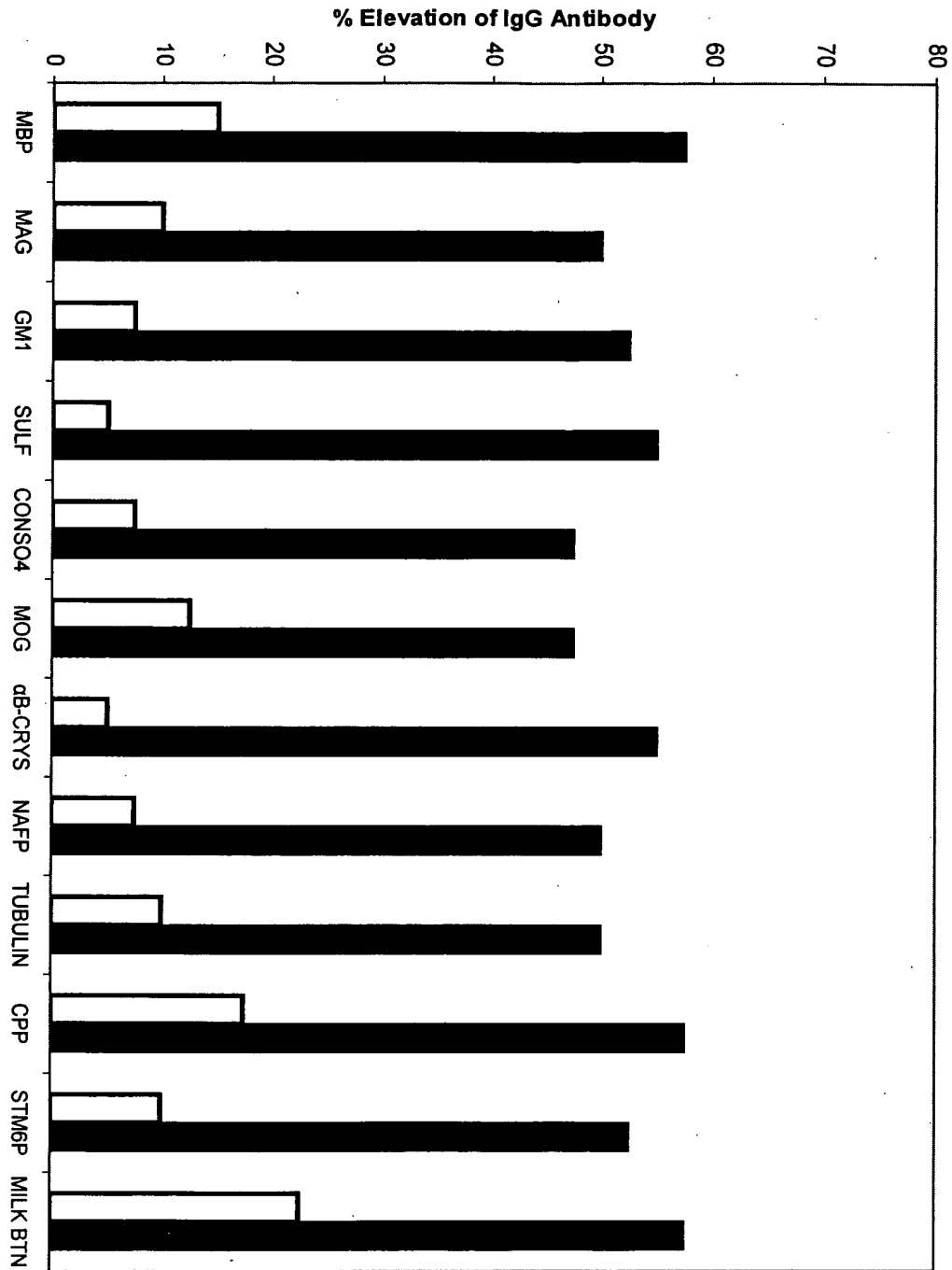


FIGURE 8

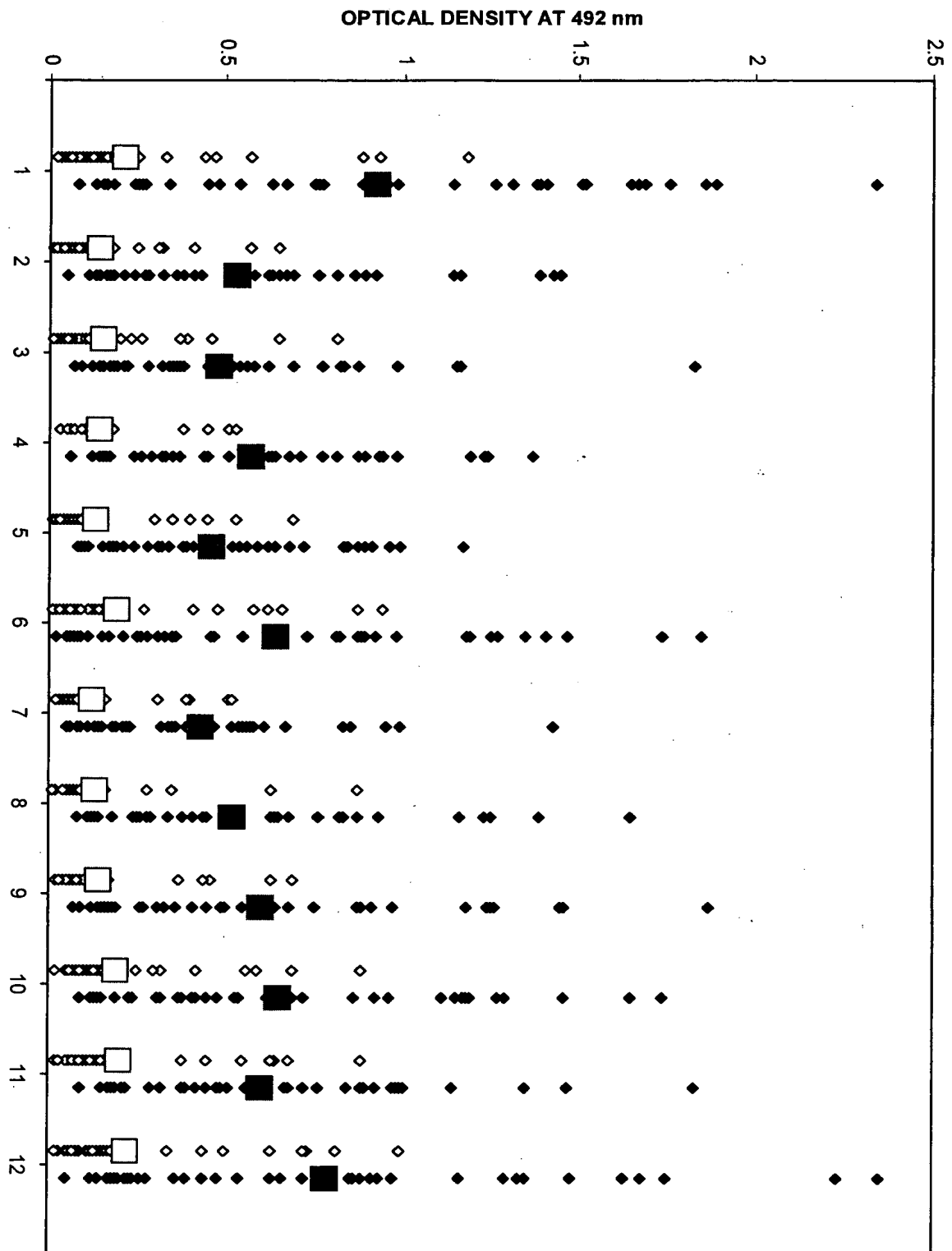


FIGURE 9

IDENTIFICATION OF ETIOLOGY OF AUTISM

Aristo Vojdani

Appl. No.: 10/770,712

Atty Docket: IMSCI2.008A

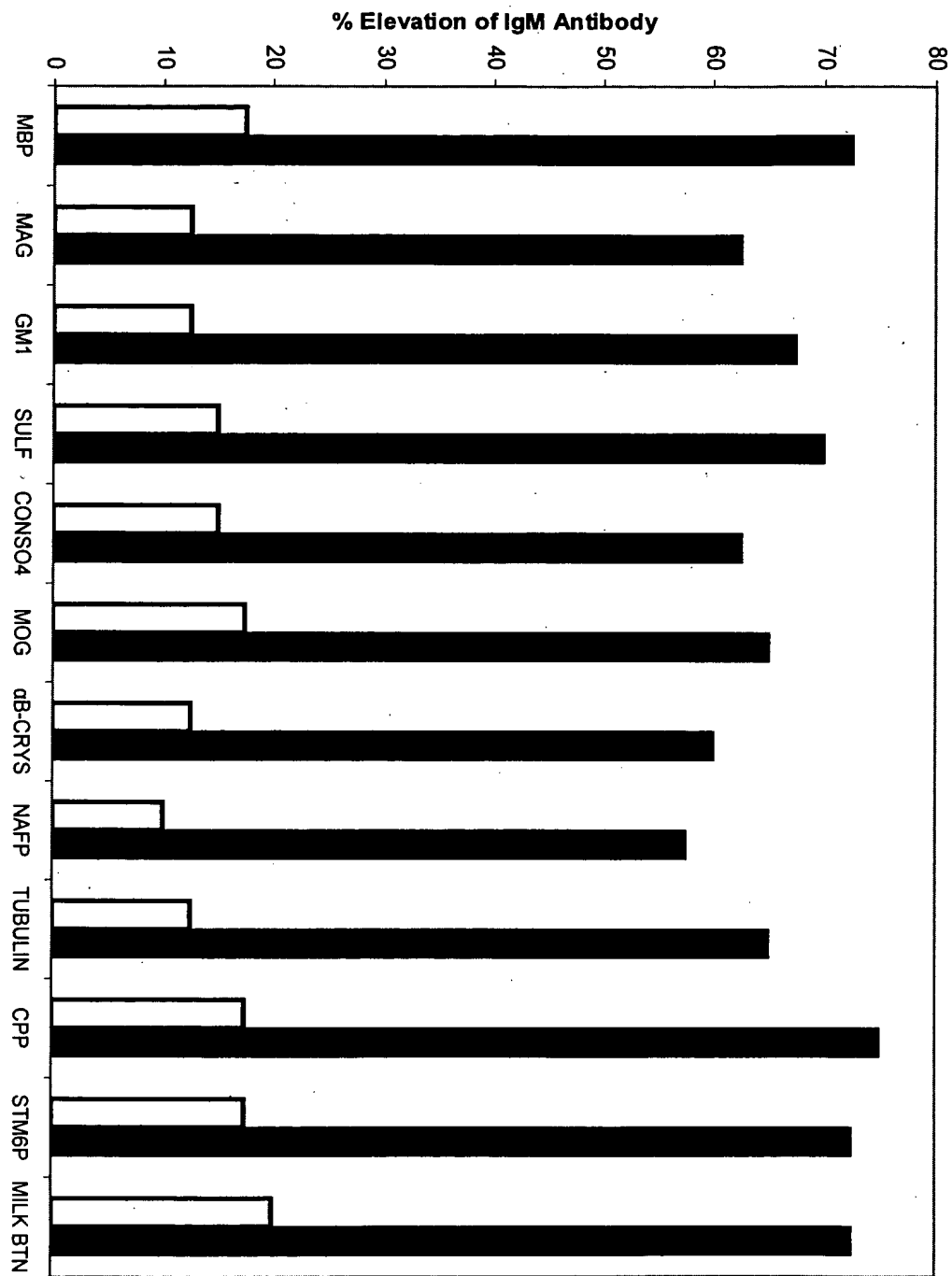


FIGURE 10

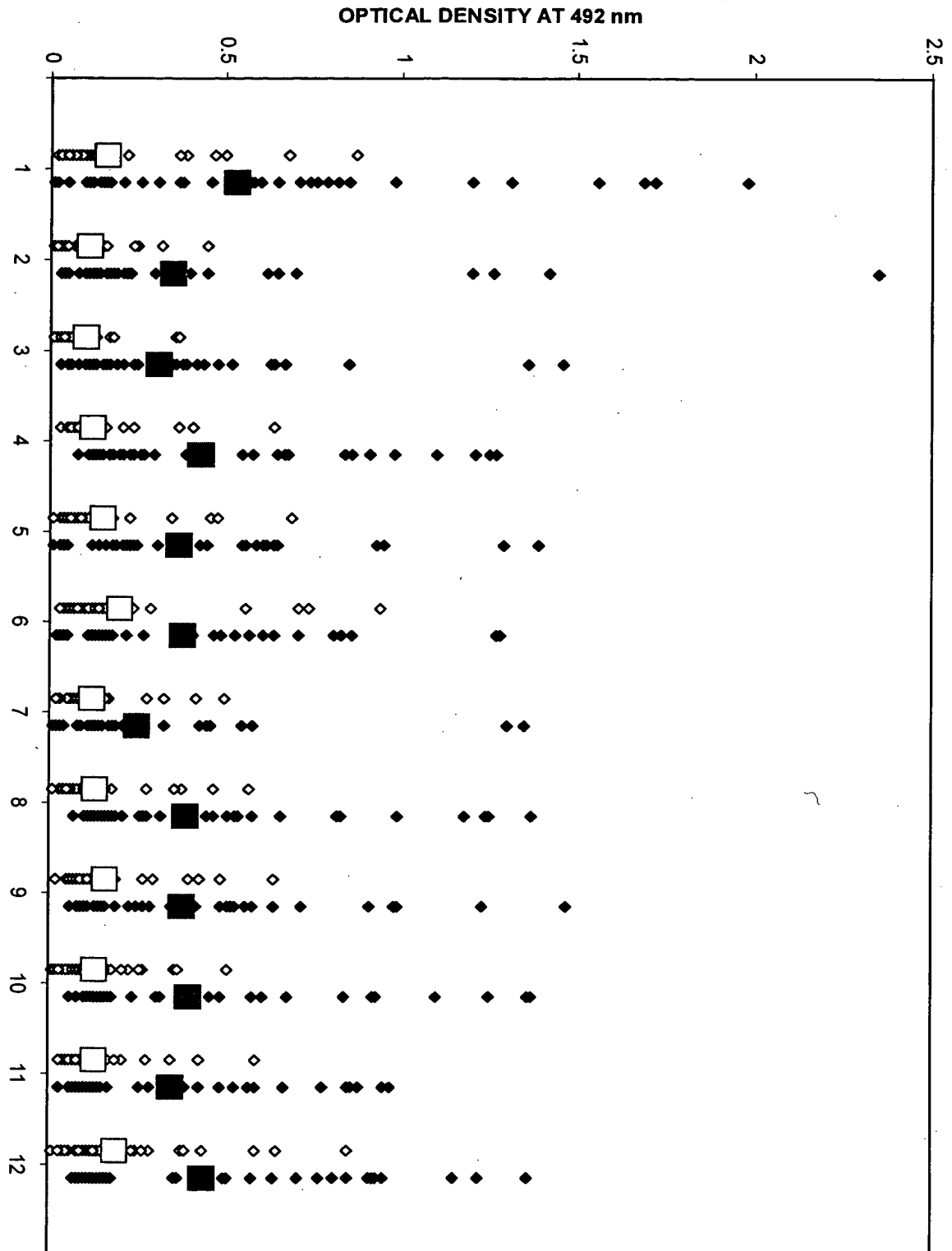


FIGURE 11

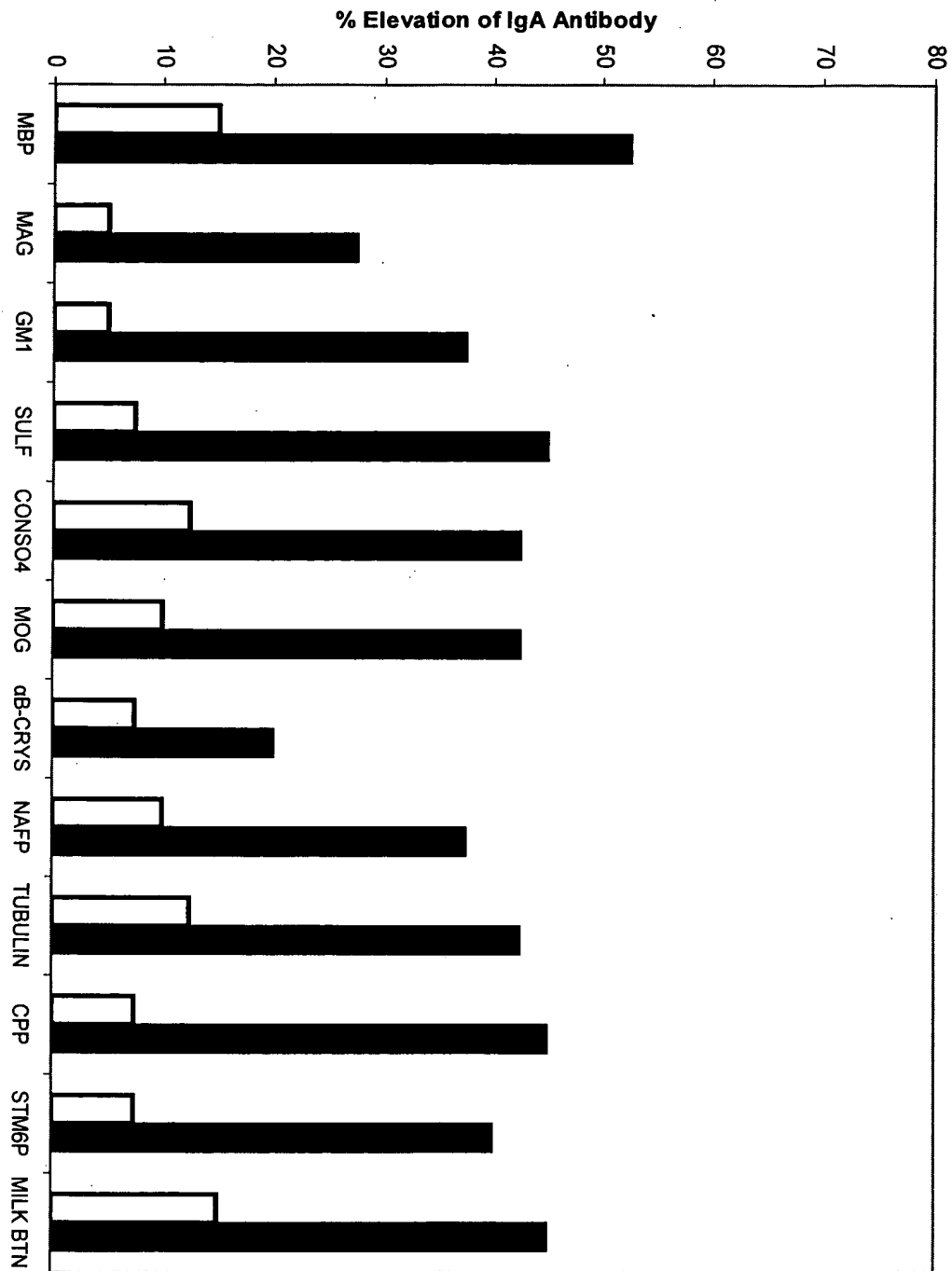


FIGURE 12